AMERICAN UNIVERSITY of Beirut OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

APRIL 1957

Printed at the American Press.

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WEATHER BUREAU

APRIL 1957

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.5	60.2	60.9	60.5	20.0	12.7	16.7	19.1	14.3	16.7
2	61.1	60.9	61.7	61.2	19.4	13.1	16.7	17.6	15.6	16.6
3	61.4	61.3	62.3	61.7	18.2	11.5	14.6	17.3	14.6	15.5
4	63.7	63.2	63.7	63.5	20.3	13.4	17.1	20.2	15.4	17.6
5	61.4	58.7	56.1	58.7	20.8	16.6	16.7	20.0	17.7	18.1
6	52.3	53.5	54.1	53.3	22.3	14.6	20.2	18.3	16.2	18.2
7	57.2	58.2	59.7	58.4	20.7	14.0	18.0	20.4	16.4	18.3
8	60.4	59.5	60.5	60.1	20.2	14.6	17.8	19.5	15.7	17.7
9	58.6	58.7	58.5	58.6	21.0	15.5	18.6	20.3	16.9	18.6
10	57.6	57.9	59.9	58.5	22.9	15.5	20.8	22.1	18.3	20.4
11	62.9	62.6	62.8	62.8	21.5	17.2	18.5	21.1	18.1	19.2
12	61.9	60.8	60.4	61.0	24.7	20.0	22.4	23.6	20.4	22.1
13	60.1	60.2	60.8	60.4	27.0	17.4	24.6	26.7	20.2	23.8
14	60.5	60.4	60.0	60.3	27.0	20.0	21.6	23.9	23.9	23.1
15	59.0	58.9	58.5	58.8	30.7	23.6	25.4	28.5	26.8	26.9
16	56.4	54.7	56.7	55.9	38.5	17.6	34.1	38.3	22.6	31.7
17	60.1	60.2	61.4	60.6	22.7	14.9	17.8	18.5	16.8	17.7
18	61.0	59.4	60.6	60.3	21.0	11.7	18.6	20.4	16.1	18.4
19	60.1	59.9	60.5	60.2	20.1	13.6	16 3	19.9	15.8	17.3
20	61.1	60.1	59.8	60.3	20.0	14.5	17.4	18.8	15.7	17.3
21	59.3	59.1	58.6	59.0	17.8	11.2	15.6	17.2	15.2	16.0
22	58.6	60.0	62.3	60.3	19.6	13.9	14.1	18.9	14.4	15.8
23	63.2	62.8	63.7	63.2	21.0	15.3	18.9	20.9	16.3	18.7
24	62.2	61.5	61.4	61.7	22.2	17.0	19.4	21.8	17.8	19.7
25	58.3	54.7	53.1	55.4	25.2	17.6	17.9	23.1	21.3	20.8
26	56.2	55.7	57.0	56.3	23.3	17.0	20.8	22.4	18.4	20.5
27	56.9	57.1	57.8	57.3	22.0	15.7	21.0	21.1	17.7	19.9
28	58.0	57.8	58.2	58.0	22.4	13.1	20.2	21.7	17.2	19.7
29	59.0	59.0	59.8	59.3	21.3	14.9	18.2	20.5	16.4	18.4
30	60.4	60.8	60.9	60.7	22.6	15.5	19.4	21.9	17.6	19.6
31										
	59.65	59.26	59.72	59.54	22.55	15.44	19.31	21.47	17.66	19.47

Barometer, range for month 763.7 mm. — 752.3 mm.
„ 71-yr. average for month 760. 03mm.
Thermometer, range for month 38.5°C — 11.2°C
„ 71-yr. average for month 19.10°C
Rain total for month 44.79 mm.
„ 71-yr average for month 55.16 mm.
„ Total, Sept. 1st. to end of month 624.39 mm.
„ 71-yr average. Sept. 1st. to end of month 870.00 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.6	14.5	12.5	13.5	73	68	75	72	5.8	327	4.60
2	12.6	14.8	12.5	13.3	68	73	70	70	8.2	338	
3	13.9	13.7	13.4	13.7	86	71	80	79	5.1	291	25.23
4	10.7	14.7	13.5	13.0	54	62	77	64	9.8	174	
5	14.7	15.8	14.8	15.1	76	67	73	72	7.6	385	
6	12.5	14.9	14.1	13.8	53	71	76	67	0.3	872	0.37
7	13.8	17.0	15.6	15.5	69	71	87	76	8.3	410	
8	14.3	15.6	14.5	14.8	71	69	82	74	9.3	201	
9	15.5	14.8	15.2	15.2	73	62	82	72	8.9	256	
10	16.4	19.2	18.8	18.1	70	72	90	77	9.1	280	
11	17.1	19.5	18.1	18.2	82	77	89	83	8.0	272	
12	12.3	17.7	15.9	15.3	47	61	64	57	7.1	311	
13	9.0	15.0	18.6	14.2	30	43	79	51	10.6	196	
14	18.4	20.3	9.4	16.0	71	70	32	58	10.2	272	
15	10.2	10.2	9.3	9.9	32	28	28	29	10.7	555	
16	9.4	3.2	16.4	9.7	17	5	58	27	9.7	669	
17	15.4	14.4	12.1	14.0	75	70	64	70	0.3	270	
18	11.3	13.1	12.1	12.2	54	54	67	58	11.3	323	
19	12.6	12.5	11.1	12.1	70	55	64	63	8.4	306	2.47
20	11.7	12.4	12.1	12.1	61	57	69	62	6.1	348	
21	11.6	12.2	11.5	11.8	65	61	69	65	0.0	314	
22	11.5	13.4	14.9	13.3	72	62	91	75	6.6	512	9.52
23	13.9	14.9	14.6	14.5	64	60	81	68	8.7	322	
24	15.1	17.2	17.0	16.4	66	67	82	72	9.7	282	
25	15.9	18.3	16.5	16.9	78	65	66	70	5.3	404	0.20
26	19.3	18.0	18.8	18.7	79	67	88	78	11.2	446	
27	17.7	16.5	15.4	16.5	70	66	76	71	8.5	438	
28	15.8	16.2	14.8	15.6	69	61	74	68	10.0	523	
29	11.8	15.3	14.1	13.7	56	62	77	65	9.9	217	2.40
30	15.6	16.7	17.0	16.4	69	65	85	73	11.1	354	
31											
	13.79	15.07	14.49	14.45	64.0	61.1	73.2	66.2	7.86	362.27	1.49

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10ci-st	10ci-st	0	6.7	2sw	2w	2n	light	
2	1cu-ci	10ci-st	9st	6.7	2sw	2w	2s	,,	D.a.m
3	10ni	4cu-st	10ci-st	8.0	1s	1s	1s	,,	
4	0	2cu-st	0	0.7	1sw	2nw	1nw	,,	
5	10ci-st	10ci-st	7ci-cu	9.0	2sw	2ne	3ne	,,	D.a.m
6	10st	10st	0	6.7	2e	2nw	4ne	light	Fog.a.m.
7	1ci	1cu-ci	0	0.7	3sw	2sw	2nw	,,	
8	0	6cu-st	2ci	2.7	2sw	2sw	1sw	,,	D.a.m.p.m.luna hailo
9	0	0	0	0.0	1nw	1nw	1ne	,,	D.h.a.m.p.m
10	5cu-st	1ci	0	2.0	1e	2n	3w	,,	H.a.m.D.p.m
11	0	0	0	0.0	1n	2ne	1ne	light	H.D.a.m.p.m
12	10ci	10ci-st	0	6.7	2sw	1e	2e	,,	
13	0	0	0	0.0	2sw	1sw	1e	,,	H.D.p.m
14	0	0	0	0 0	1e	2e	1e	,,	D.a.m.H.p.m
15	0	0	0	0.0	2sw	2ne	2se	calm	
16	10ci	4ci-st	0	4.7	3se	3sw	2sw	light	Hot wind all day
17	10st	10st	3st	7.7	3w	2sw	2sw	,,	
18	1cu	5cu-st	7st	4.3	2sw	3w	2w	,,	
19	9st-cu	7st-cu	9st	8.3	1e	2sw	2sw	,,	
20	10ci-st	10ci-st	0	6.7	2nw	3n	2n	,,	
21	10st	10st	0	6.7	1sw	2sw	2sw	light	
22	10st	8cu-st	10st	9.3	4sw	3sw	1e	,,	
23	6ci-st	5ci-cu	7ci-st	6.0	2sw	2nw	1ne	,,	
24	0	10ci	0	3.3	2n	3ne	1ne	,,	D.a.m.p.m
25	10st	9ci-st	0	6.3	1e	3ne	2ne	,,	
26	5st	0	0	1.7	3sw	3sw	2nw	light	D.p m
27	0	10st	9st	6.3	2sw	3sw	2sw	,,	
28	8cu-st	7cu-st	0	5.0	3sw	3sw	2sw	,,	
29	4cu-ci	7cu-st	0	3.7	3sw	3w	1sw	,,	D.p.m
30	0	5cu-st	0	1.7	2sw	2sw	1sw	,,	D.a.m.p.m
31									
	mean			4.39					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	0	5	1	1	18	1	2	0	30
14:30	2	5	2	0	1	12	4	4	0	30
20:30	2	7	4	1	2	9	2	3	0	30
Total	6	12	11	2	4	39	7	9	0	90

Number of days with rain 7, fog 1, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 6.23
Time of reading minus 2 hours equals G.C.T